

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/874,350D
Source: 1FW16
Date Processed by STIC: 2/13/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 02/13/2006

PATENT APPLICATION: US/09/874,350D

TIME: 14:36:28

Input Set : A:\300-903840US.txt

Output Set: N:\CRF4\02132006\I874350D.raw

3 <110> APPLICANT: Oncoimmunin, Inc.
 4 Komoriya, Akira
 5 Packard, Beverly
 7 <120> TITLE OF INVENTION: COMPOSITIONS FOR THE DETECTION OF ENZYME ACTIVITY IN
 BIOLOGICAL
 8 SAMPLES AND METHODS OF USE THEREOF
 10 <130> FILE REFERENCE: 300-903840US
 12 <140> CURRENT APPLICATION NUMBER: US 09/874,350D
 13 <141> CURRENT FILING DATE: 2001-06-04
 15 <150> PRIOR APPLICATION NUMBER: PCT/US98/00300
 16 <151> PRIOR FILING DATE: 1998-02-20
 18 <150> PRIOR APPLICATION NUMBER: PCT/US00/24882
 19 <151> PRIOR FILING DATE: 2000-09-11
 21 <150> PRIOR APPLICATION NUMBER: US 09/394,019
 22 <151> PRIOR FILING DATE: 1999-09-10
 24 <150> PRIOR APPLICATION NUMBER: US 08/802,981
 25 <151> PRIOR FILING DATE: 1997-02-20
 27 <160> NUMBER OF SEQ ID NOS: 221
 29 <170> SOFTWARE: PatentIn version 3.3
 31 <210> SEQ ID NO: 1
 32 <211> LENGTH: 9
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Artificial
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 37 <223> OTHER INFORMATION: Chemically synthesized peptide -- Protease substrate
 40 <220> FEATURE:
 41 <221> NAME/KEY: misc_feature
 42 <222> LOCATION: (5)..(5)
 43 <223> OTHER INFORMATION: Xaa is norleucine (Nle)
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 W--> 47 Asn Ala Ile Pro Xaa Ser Ile Pro Cys
 48 1 5
 51 <210> SEQ ID NO: 2
 52 <211> LENGTH: 12
 53 <212> TYPE: PRT
 54 <213> ORGANISM: Artificial
 56 <220> FEATURE:
 57 <223> OTHER INFORMATION: Synthetic peptide substrate
 60 <220> FEATURE:
 61 <221> NAME/KEY: MOD_RES
 62 <222> LOCATION: (3)..(3)
 63 <223> OTHER INFORMATION: X is Aib or Pro
 65 <400> SEQUENCE: 2
 W--> 67 Lys Asp Xaa Thr Gly Arg Thr Gly Pro Lys Gly Tyr

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68 1          5          10
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74 <213> ORGANISM: Artificial
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Synthetic peptide substrate
80 <220> FEATURE:
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82 <222> LOCATION: (1)..(14)
83 <223> OTHER INFORMATION: Artificial protease substrate
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87 Lys Asp Pro Pro Thr Gly Arg Thr Gly Pro Pro Lys Gly Tyr
88 1          5          10
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92 <211> LENGTH: 14
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial
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97 <223> OTHER INFORMATION: Synthetic peptide substrate
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101 <221> NAME/KEY: MOD_RES
102 <222> LOCATION: (3)..(3)
103 <223> OTHER INFORMATION: X is Aib or Pro
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113 <212> TYPE: PRT
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123 <223> OTHER INFORMATION: X is Aib or Pro
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128 1          5          10
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132 <211> LENGTH: 13
133 <212> TYPE: PRT
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136 <220> FEATURE:
137 <223> OTHER INFORMATION: Synthetic peptide substrate
140 <220> FEATURE:
141 <221> NAME/KEY: MOD_RES
142 <222> LOCATION: (3)..(3)

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143 <223> OTHER INFORMATION: X is Aib or Pro
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W--> 147 Lys Asp Xaa Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr
148 1 5 10
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153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Synthetic peptide substrate
160 <220> FEATURE:
161 <221> NAME/KEY: MOD_RES
162 <222> LOCATION: (4)..(4)
163 <223> OTHER INFORMATION: X is Aib or Pro
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W--> 167 Lys Asp Tyr Xaa Ala Asp Gly Ile Asp Pro Lys Gly Tyr
168 1 5 10
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185 <220> FEATURE:
186 <221> NAME/KEY: MOD_RES
187 <222> LOCATION: (3)..(3)
188 <223> OTHER INFORMATION: X is Aib or Pro
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W--> 192 Lys Asp Xaa Asp Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr
193 1 5 10
196 <210> SEQ ID NO: 9
197 <211> LENGTH: 14
198 <212> TYPE: PRT
199 <213> ORGANISM: Artificial
201 <220> FEATURE:
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205 <220> FEATURE:
206 <221> NAME/KEY: MOD_RES
207 <222> LOCATION: (1)..(1)
208 <223> OTHER INFORMATION: BLOCKED with Fmoc
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212 <222> LOCATION: (3)..(3)
213 <223> OTHER INFORMATION: X is Aib or Pro
215 <400> SEQUENCE: 9

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W--> 217 Lys Asp Xaa Asp Glu Val Asn Gly Ile Asp Pro Lys Gly Tyr

218 1 5 10

221 <210> SEQ ID NO: 10

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224 <213> ORGANISM: Artificial

226 <220> FEATURE:

227 <223> OTHER INFORMATION: Synthetic peptide substrate

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231 <221> NAME/KEY: MOD_RES

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233 <223> OTHER INFORMATION: BLOCKED with Fmoc

235 <220> FEATURE:

236 <221> NAME/KEY: MOD_RES

237 <222> LOCATION: (3)..(3)

238 <223> OTHER INFORMATION: X is Aib or Pro

240 <400> SEQUENCE: 10

W--> 242 Lys Asp Xaa Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr

243 1 5 10

246 <210> SEQ ID NO: 11

247 <211> LENGTH: 12

248 <212> TYPE: PRT

249 <213> ORGANISM: Artificial

251 <220> FEATURE:

252 <223> OTHER INFORMATION: Synthetic peptide substrate

255 <220> FEATURE:

256 <221> NAME/KEY: MOD_RES

257 <222> LOCATION: (1)..(1)

258 <223> OTHER INFORMATION: BLOCKED with Fmoc

260 <400> SEQUENCE: 11

262 Lys Asp Ala Ile Pro Met Ser Ile Pro Lys Gly Tyr

263 1 5 10

266 <210> SEQ ID NO: 12

267 <211> LENGTH: 12

268 <212> TYPE: PRT

269 <213> ORGANISM: Artificial

271 <220> FEATURE:

272 <223> OTHER INFORMATION: Synthetic peptide substrate

275 <220> FEATURE:

276 <221> NAME/KEY: MOD_RES

277 <222> LOCATION: (1)..(1)

278 <223> OTHER INFORMATION: BLOCKED with Fmoc

280 <220> FEATURE:

281 <221> NAME/KEY: MOD_RES

282 <222> LOCATION: (6)..(6)

283 <223> OTHER INFORMATION: X is norleucine

285 <400> SEQUENCE: 12

W--> 287 Lys Asp Ala Ile Pro Xaa Ser Ile Pro Lys Gly Tyr

288 1 5 10

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Input Set : A:\300-903840US.txt

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 303 <223> OTHER INFORMATION: BLOCKED with Fmoc
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 307 <222> LOCATION: (3)..(3)
 308 <223> OTHER INFORMATION: X is Aib or Pro
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W--> 312 Lys Asp Xaa Gly Asp Glu Val Asp Gly Ile Asp Gly Pro Lys Gly Tyr
 313 1 5 10 15

316 <210> SEQ ID NO: 14
 317 <211> LENGTH: 18
 318 <212> TYPE: PRT
 319 <213> ORGANISM: Artificial
 321 <220> FEATURE:
 322 <223> OTHER INFORMATION: Synthetic peptide substrate
 325 <220> FEATURE:
 326 <221> NAME/KEY: MOD_RES
 327 <222> LOCATION: (1)..(1)
 328 <223> OTHER INFORMATION: BLOCKED with Fmoc
 330 <220> FEATURE:
 331 <221> NAME/KEY: MOD_RES
 332 <222> LOCATION: (3)..(3)
 333 <223> OTHER INFORMATION: X is Aib or Pro
 335 <220> FEATURE:
 336 <221> NAME/KEY: MOD_RES
 337 <222> LOCATION: (4)..(4)
 338 <223> OTHER INFORMATION: X is epsilon aminocaproic acid
 340 <220> FEATURE:
 341 <221> NAME/KEY: MOD_RES
 342 <222> LOCATION: (14)..(14)
 343 <223> OTHER INFORMATION: X is epsilon aminocaproic acid
 345 <400> SEQUENCE: 14

W--> 347 Lys Asp Xaa Xaa Gly Asp Glu Val Asp Gly Ile Asp Gly Xaa Pro Lys
 348 1 5 10 15

351 Gly Tyr

355 <210> SEQ ID NO: 15
 356 <211> LENGTH: 18
 357 <212> TYPE: PRT
 358 <213> ORGANISM: Artificial
 360 <220> FEATURE:
 361 <223> OTHER INFORMATION: Synthetic peptide substrate

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 5 ✓
Seq#:2; Xaa Pos. 3 ✓
Seq#:4; Xaa Pos. 3 ✓
Seq#:5; Xaa Pos. 3 ✓
Seq#:6; Xaa Pos. 3 ✓
Seq#:7; Xaa Pos. 4 ✓
Seq#:8; Xaa Pos. 3 ✓
Seq#:9; Xaa Pos. 3 ✓
Seq#:10; Xaa Pos. 3 ✓
Seq#:12; Xaa Pos. 6 ✓
Seq#:13; Xaa Pos. 3 ✓
Seq#:14; Xaa Pos. 3,4,14 ✓
Seq#:15; Xaa Pos. 3,4,14 ✓
Seq#:17; Xaa Pos. 4,14 ✓
Seq#:18; Xaa Pos. 4,14 ✓
Seq#:19; Xaa Pos. 4,6,15 ✓
Seq#:20; Xaa Pos. 4 ✓
Seq#:21; Xaa Pos. 13 ✓
Seq#:22; Xaa Pos. 4,14 ✓
Seq#:23; Xaa Pos. 4,14 ✓
Seq#:24; Xaa Pos. 4,14 ✓
Seq#:25; Xaa Pos. 4,14 ✓
Seq#:26; Xaa Pos. 4,14 ✓
Seq#:27; Xaa Pos. 3,4,14 ✓
Seq#:28; Xaa Pos. 3,4,14 ✓
Seq#:29; Xaa Pos. 3,4,14 ✓
Seq#:30; Xaa Pos. 3,4,14 ✓
Seq#:31; Xaa Pos. 3,4,5,14,15 ✓
Seq#:32; Xaa Pos. 3,4,14 ✓
Seq#:33; Xaa Pos. 3,4,14 ✓
Seq#:34; Xaa Pos. 3,4,14 ✓
Seq#:35; Xaa Pos. 3,4,14 ✓
Seq#:36; Xaa Pos. 3,4,14 ✓
Seq#:37; Xaa Pos. 3,4,6,15 ✓
Seq#:38; Xaa Pos. 3,4,6,15 ✓
Seq#:39; Xaa Pos. 3,4,15 ✓
Seq#:40; Xaa Pos. 3,4,15 ✓
Seq#:41; Xaa Pos. 3,4,6,7,16 ✓
Seq#:42; Xaa Pos. 3,4,16 ✓
Seq#:43; Xaa Pos. 3 ✓
Seq#:44; Xaa Pos. 3 ✓
Seq#:45; Xaa Pos. 3 ✓
Seq#:46; Xaa Pos. 3 ✓
Seq#:47; Xaa Pos. 3 ✓

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Input Set : A:\300-903840US.txt
Output Set: N:\CRF4\02132006\I874350D.raw

Seq#:48; Xaa Pos. 3
Seq#:49; Xaa Pos. 3,4,14
Seq#:50; Xaa Pos. 3,4,14
Seq#:51; Xaa Pos. 3,4,14
Seq#:52; Xaa Pos. 3,4,14
Seq#:53; Xaa Pos. 3,4,14
Seq#:54; Xaa Pos. 3,4,14

Invalid <213> Response:

**Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.**

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75
Seq#:76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99
Seq#:100,101,102,103,104,105,107,108,109,110,111,112,113,114,115,116,117,118
Seq#:119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136
Seq#:137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154
Seq#:155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172
Seq#:173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190
Seq#:191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208
Seq#:209,210,211,212,213,214,215,216,217,218,219,220,221

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Input Set : A:\300-903840US.txt

Output Set: N:\CRF4\02132006\I874350D.raw

L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:81 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
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L:826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:870 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:909 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:1011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:1045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:1079 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:1113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:1152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:1191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:1225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:1264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:1366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:1386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:1406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:1426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:1446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:1466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:1496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:1530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0

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L:1564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:1598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0
L:1637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0
L:4385 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:142
L:4390 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:142
L:4395 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:142
L:5452 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:180
L:5472 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:181
L:6326 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:210